

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231, on

Date: 2-21-02

By: Sandy Yi  
Sandy Yi

In re Application of:	Examiner: Unknown
Li-Wen Chen, et al.	
Serial No. 10/001,644	Art Unit: 2163
Filed: November 29, 2001	
Title: SYSTEM AND METHOD FOR PROVIDING A DATA WAREHOUSE IN ACCORDANCE WITH A VIRTUAL SCHEMA	

Commissioner for Patents  
Washington, D.C. 20231

**RESPONSE TO NOTICE TO FILE CORRECTED APPLICATION PAPERS**

Dear Sir:

In response to the Notice to File Corrected Application Papers mailed on December 21, 2001 in the above-identified application, enclosed herewith are the substitute drawings needed to correct various informalities to comply with 37 CFR 1.84.

Enclosed herewith are the following:

- 1) Copy of Notice to File Corrected Application Papers;
- 2) Response to Notice to File Corrected Application Papers;
- 3) Substitute Drawings with top margin of at least 1 inch, a left side margin of at least 1 inch, a right side margin of at least 5/8 inch, and a bottom margin of at least 3/8 inch;
- 4) Transmittal form;

- 5) Fee Transmittal form (in duplicate);
- 6) Letter to the Official Draftsperson (in duplicate);
- 7) Copies of the Original Drawings with changes indicated in RED; and
- 8) Return Receipt Postcard


If the Examiner has any questions or needs additional information, the Examiner is invited to telephone the undersigned attorney at (650) 856-6500.

If for any reason an insufficient fee has been paid, please charge the insufficiency to Deposit Account No. 05-0150.

Date: 2/21/02

Respectfully submitted,  
Li-Wen Chen, et al.

SQUIRE, SANDERS & DEMPSEY L.L.P.  
600 Hansen Way  
Palo Alto, California 94304-1043  
Telephone: (650) 856-6500  
Facsimile: (650) 843-8777

By:   
Daryl C. Josephson  
Attorney for Applicants  
Registration No.: 37,365



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Date: 2-21-02

By: Sandy Yi  
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In re Application of:  Li-Wen Chen, et al.	Examiner: Unknown
Serial No.: 10/001,644	Art Unit: 2163
Filed: November 29, 2001	
Title: SYSTEM AND METHOD FOR PROVIDING A DATA WAREHOUSE IN ACCORDANCE WITH A VIRTUAL SCHEMA	

Attention: Official Draftsperson  
Commissioner for Patents  
Washington, D.C. 20231

**LETTER TO THE CHIEF DRAFTSPERSON  
(Request To Make Proposed Drawing Changes)**

Sir:

Subject to the approval of the Primary Examiner in the above-entitled patent application, please substitute the enclosed sixteen (16) sheets of formal drawings, containing Figures 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 6C, 6D, 6E, 6F, 7A and 7B for the sixteen (16) sheets of informal drawings containing Figures 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 6C, 6D, 6E, 6F, 7A and 7B as originally filed.

Approval is requested to amend Figures 4A, 5A, 6B, 6C, 6D, 6F and 7A as shown in RED ink on the attached copies and as indicated below:

In Figure 4A, for the block containing the text "CCC1", reference the block with the numeral--213--.

In Figure 5A, for block 407, replace the text "filter our unnecessary entities" with -- filter out unnecessary entities --.

In Figure 6B, block 520, replace the word "Telcommunication" with -- Telecommunication--(in both places).

In Figure 6B, replace the text "Bussiness model:" with --Business model:--.

In Figure 6B, replace the text "Bussiness characteristics:" with --Business characteristics--.

In Figure 6C, block 534, replace the text "Unrestricted filegrouth" with -- Unrestricted filegrowth--.

In Figure 6C, block 534, replace the text "Restrict filegrouth(MB):" with -- Restrict filegrowth(MB):--.

In Figure 6D, block 544, replace the text "Unrestricted filegrouth" with -- Unrestricted filegrowth--.

In Figure 6D, block 544, replace the text "Restrict filegrouth(MB):" with -- Restrict filegrowth(MB):--.

In Figure 6F, boxes have been placed around "CAC2" "ALC1" and "ALC2" for clarification purposes.

In Figure 7A, block 606, replace the word "Metadata" with --Meta Data--.

REMARKS

Applicants respectfully submit that the requested drawing amendments are consistent with the corresponding material in the specification and does not add any new matter to the application.

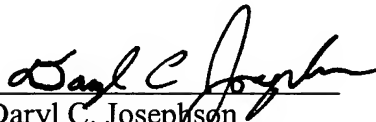
Should the Examiner have any questions concerning this request, the Examiner is invited to call the undersigned representative at the number shown below.

The Commissioner is hereby authorized to charge payment for any deficiency of required fees associated with this communication to Deposit Account No. 05-0150. A duplicate of this transmittal is enclosed.

Date: 2/21/02

Squire, Sanders & Dempsey L.L.P.  
600 Hansen Way  
Palo Alto, CA 94304-1043  
Telephone (650) 856-6500  
Facsimile (650) 843-8777

Respectfully submitted,

  
Daryl C. Josephson  
Attorney for Applicants  
Registration No.: 37,365

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

03CO  
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# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/001,644
Filing Date	November 29, 2001
First Named Inventor	Li-Wen Chen
Group Art Unit	2163
Examiner Name	Unknown
Total Number of Pages in This Submission	35
Attorney Docket Number	52719.00033

## ENCLOSURES (check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)  <input type="checkbox"/> Fee Attached  <input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)  <input type="checkbox"/> Extension of Time Request  <input type="checkbox"/> Express Abandonment Request  <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input checked="" type="checkbox"/> Response Notice to File Corrected Application Papers <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input checked="" type="checkbox"/> 16 Sheets of Formal Drawings consisting of Figures 1, 2, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 6C, 6D, 6E, 6F, 7A and 7B  <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application  <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address  <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund  <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences  <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information  <input type="checkbox"/> Status Letter  <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):  Letter to the Chief Draftsperson (Request to Make Proposed Drawing Changes) (in duplicate) Copy of Notice to File Corrected Application Papers Copy of Original Drawings with Changes Indicated in Red Return Receipt Postcard
<div>Remarks</div>		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Daryl C. Josephson, Reg. No. 37,365 Squire, Sanders & Dempsey, L.L.P. 600 Hansen Way Palo Alto, CA 94304-1043
Signature	
Date	February 21, 2002

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: February 21, 2002

Typed or printed name	Sandy Yi		
Signature		Date	February 21, 2002

20001644-020002



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS  
UNITED STATES PATENT AND TRADEMARK OFFICE  
WASHINGTON, D.C. 20231  
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/001,644	11/29/2001	Li-Wen Chen	52719.00033

CONFIRMATION NO. 5491

## FORMALITIES LETTER



\*OC000000007226816\*

Paul A. Durdik, Esq.  
Squire, Sanders & Dempsey LLP  
600 Hansen Way  
Palo Alto, CA 94304

Date Mailed: 12/21/2001

## NOTICE TO FILE CORRECTED APPLICATION PAPERS

*Filing Date Granted*

This application has been accorded an Application Number and Filing Date. The application, however, is informal since it does not comply with the regulations for the reason(s) indicated below. Applicant is given **TWO MONTHS** from the date of this Notice within which to correct the informalities indicated below. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a)

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
  - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. ( 5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice MUST be returned with the reply.*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

## Complete if Known

FEE TRANSMITTAL  
for FY 2002

Patent fees are subject to annual revision.

TO THE AMOUNT OF PAYMENT (\$ ) 0

Application Number	10/001,644
Filing Date	November 29, 2001
First Named Inventor	Li-Wen Chen
Examiner Name	Unknown
Group / Art Unit	2163
Attorney Docket No.	52719.00033

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None
☒ Deposit Account:
 Deposit Account Number  
05-0150

 Deposit Account Name  
Squire, Sanders & Dempsey, L.L.P.

The Commissioner is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Credit any overpayments  
☒ Charge any additional fee(s) during the pendency of this application  
☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1)

(\$ ) 0

## 2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid	
20 **	0	X	0	
Independent Claims	3 **	0	X	0
Multiple Dependent		X	0	

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2)

(\$ ) 0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17 (q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

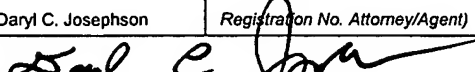
\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3)

(\$ ) 0

## SUBMITTED BY

## Complete (if applicable)

Name (Print/Type)	Daryl C. Josephson	Registration No. Attorney/Agent)	37,365	Telephone	650.856.6500
Signature				Date	February 21, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.